## EAST Search History

| Ref# | Hits   | Search Query  | DBs                                      | Default<br>Operator | Plurals | Time Stamp          |
|------|--------|---|--|---------------------|---------|---------------------|
| L1   | 4      | (("20010011624") or ("5588516")<br>or ("5507376") or<br>("20050061095")).PN.  | US-PGPUB;<br>USPAT                       | OR                  | OFF     | 2009/02/05<br>18:02 |
| 1.2  | 23     | ("3548983"   "4445602"  <br>"4573371"   "4732247"  <br>"4836348"   "5092439"  <br>"5097930"   "5335762"  <br>"5425437").PN. OR<br>("2001/0011624"  <br>"2005/0061095"   "5507376"  <br>"5588516").URPN. | US-PGPUB;<br>USPAT; USOCR                | OR                  | OFF     | 2009/02/05<br>18:02 |
| L3   | 22     | L2 not L1   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2009/02/05<br>18:02 |
| L4   | 26     | L1 L3   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2009/02/05<br>18:02 |
| L5   | 64     | 192/53.31.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2009/02/05<br>18:02 |
| L6   | 56     | L5 not L4   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2009/02/05<br>18:02 |
| L7   | 137186 | drag  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2009/02/05<br>18:02 |
| L8   | 6      | L5 and L7   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2009/02/05<br>18:02 |
| L9   | 32     | L4 L8   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2009/02/05<br>18:02 |
| L10  | 50     | L6 not L9   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2009/02/05<br>18:02 |
| L11  | 82     | L9 L10  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2009/02/05<br>18:02 |
| L12  | 51     | 192/53.341.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2009/02/05<br>18:02 |
| L13  | 42     | L12 not L11   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2009/02/05<br>18:02 |
| L14  | 124    | L11 L13   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2009/02/05<br>18:02 |

| L15 | 229    | 192/53.34.ccls.                      | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
|-----|--------|--------------------------------------|--|----|-----|---------------------|
| L16 | 16     | L7 and L15                           | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L17 | 13     | L16 not L14                          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L18 | 137    | L14 L17                              | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L19 | 622593 | synchroniz\$5                        | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L20 | 702439 | sleeve                               | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L21 | 291923 | hub                                  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L22 | 2922   | (balk or baulk or block\$3) adj ring | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L23 | 18447  | L19 and L20                          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L24 | 3851   | L23 and L21                          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L25 | 202    | L24 and L22                          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L26 | 2313   | "drag torque"                        | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L27 | 8      | L25 and L26                          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L28 | 8      | L27 not L18                          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L29 | 1096   | 74/339.ccls.                         | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L30 | 520    | L19 and L29                          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L31 | 11     | L26 and L30                          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |

| L32 | 145    | L18 L28              | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
|-----|--------|----------------------|--|----|-----|---------------------|
| L33 | 8      | L31 not L32          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L34 | 153    | L32 L33              | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L35 | 83     | miyamoto-akihiro.in. | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L36 | 123    | yoshino-masashi.in.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L37 | 199    | L35 or L36           | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L38 | 29     | L19 and L37          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L39 | 27     | L38 not L34          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L40 | 152513 | nissan.as.           | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L41 | 1760   | L19 and L40          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L42 | 180    | L34 L39              | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L43 | 5      | L26 and L41          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L44 | 4      | L43 not L42          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |
| L45 | 184    | L42 L44              | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/05<br>18:02 |

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|-----|--------|--|--|----|---|---|
| L46 | 52     | ("20030006116"   "2238723"   "2319740"   "2369842"   "2896760"   "3078975"   "3419121"   "3548983"   "4289223"   "4349090"   "4428469"   "4478321"   "4641734"   "4732247"   "4805755"   "4989706"   "5078244"   "5092439"   "5135087"   "5339936"   "5425437"   "5544727"   "5558194"   "5588516"   "5769198").PN. OR ("2004/0154892"   "2005/0061095"   "2238723"   "5105927"   "5678670"   "6102180"   "7131521").URPN. | US-PGPUB;<br>USPAT; USOCR                | OR | OFF   | 2009/02/05<br>18:02                     |
| L47 | 22     | L46 not L45  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF   | 2009/02/05<br>18:02                     |
| L48 | 206    | L45 L47  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF   | 2009/02/05<br>18:02                     |
| L49 | 206    | L48  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF   | 2009/02/05<br>18:02                     |
| L50 | 743056 | @pd> = "20080826"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF   | 2009/02/05<br>18:03                     |
| L51 | 7      | 49 and 50  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF   | 2009/02/05<br>18:03                     |
| L52 | 206    | 49 51  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF   | 2009/02/05<br>18:07                     |
| L53 | 42     | 192/53.31,53.34,53.341.ccls.   | US-PGPUB                                 | OR | OFF   | 2009/02/05<br>18:08                     |
| L54 | 61     | 74/339.ccls.   | US-PGPUB                                 | OR | OFF   | 2009/02/05<br>18:08                     |
| L55 | 99     | 53 54  | US-PGPUB                                 | OR | OFF   | 2009/02/05<br>18:08                     |
| L56 | 76     | 55 not 52  | US-PGPUB                                 | OR | OFF   | 2009/02/05<br>18:08                     |
| L57 | 282    | 52 56  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF   | 2009/02/05<br>18:12                     |
| L58 | 27     | synchroniz\$5 and (rotation near regulat\$3).clm.  | US-PGPUB                                 | OR | OFF   | 2009/02/05<br>18:13                     |
| S1  | 4      | (("20010011624") or ("5588516")<br>or ("5507376") or<br>("20050061095")).PN.   | US-PGPUB;<br>USPAT                       | OR | OFF   | 2008/08/26<br>18:16                     |

| S2  | 23     | ("3548983"   "4445602"  <br>"4573371"   "4732247"  <br>"4836348"   "5092439"  <br>"5097930"   "5335762"  <br>"5425437").PN. OR<br>("2001/0011624"  <br>"2005/0061095"   "5507376"  <br>"5588516").URPN. | US-PGPUB;<br>USPAT; USOCR                | OR | OFF | 2008/08/26<br>18:20 |
|-----|--------|---|--|----|-----|---------------------|
| S3  | 22     | S2 not S1   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>18:20 |
| S4  | 26     | S1 S3   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>18:29 |
| S5  | 63     | 192/53.31.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>18:30 |
| S6  | 55     | S5 not S4   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>18:30 |
| S7  | 131967 | drag  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>18:30 |
| S8  | 5      | S5 and S7   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>18:30 |
| S9  | 31     | S4 S8   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>18:35 |
| S10 | 50     | S6 not S9   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>18:35 |
| S11 | 81     | S9 S10  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>18:50 |
| S12 | 50     | 192/53.341.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>18:50 |
| S13 | 41     | S12 not S11   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>18:50 |
| S14 | 122    | S11 S13   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>18:53 |
| S15 | 228    | 192/53.34.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>18:54 |
| S16 | 16     | S7 and S15  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>18:55 |
| S17 | 13     | S16 not S14   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>18:55 |

| S18 | 135    | S14 S17                              | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:00 |
|-----|--------|--------------------------------------|--|----|-----|---------------------|
| S19 | 597683 | synchroniz\$5                        | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:00 |
| S20 | 681808 | sleeve                               | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:00 |
| S21 | 282171 | hub                                  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:00 |
| S22 | 2757   | (balk or baulk or block\$3) adj ring | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:01 |
| S23 | 17811  | S19 and S20                          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:01 |
| S24 | 3740   | S23 and S21                          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:01 |
| S25 | 195    | S24 and S22                          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:02 |
| S26 | 2184   | "drag torque"                        | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:02 |
| S27 | 6      | S25 and S26                          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:02 |
| S28 | 6      | S27 not S18                          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:02 |
| S29 | 1079   | 74/339.ccls.                         | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:04 |
| S30 | 506    | S19 and S29                          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:04 |
| S31 | 9      | S26 and S30                          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:04 |
| S32 | 141    | S18 S28                              | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:05 |
| S33 | 7      | S31 not S32                          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:05 |
| S34 | 148    | S32 S33                              | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:07 |

| S35 | 82     | miyamoto-akihiro.in.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:07 |
|-----|--------|--|--|----|-----|---------------------|
| S36 | 118    | yoshino-masashi.in.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:07 |
| S37 | 194    | S35 or S36   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:07 |
| S38 | 24     | S19 and S37  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:08 |
| S39 | 23     | S38 not S34  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:08 |
| S40 | 150328 | nissan.as.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:12 |
| S41 | 1715   | S19 and S40  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:12 |
| S42 | 171    | S34 S39  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:12 |
| S43 | 5      | S26 and S41  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:12 |
| S44 | 4      | S43 not S42  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:12 |
| S45 | 175    | S42 S44  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:13 |
| S46 | 52     | ("20030006116"   "2238723"   "2319740"   "2369842"   "2896760"   "3078975"   "3419121"   "3548983"   "4289223"   "4349090"   "4428469"   "4478321"   "4641734"   "4732247"   "4805755"   "4989706"   "5078244"   "5092439"   "5135087"   "5339936"   "5425437"   "5544727"   "5558194"   "5588516"   "5769198").PN. OR ("2004/0154892"   "2005/0061095"   "2238723"   "5105927"   "5678670"   "6102180"   "7131521").URPN. | US-PGPUB;<br>USPAT; USOCR                | OR | OFF | 2008/08/26<br>19:13 |
| S47 | 22     | S46 not S45  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/08/26<br>19:13 |

| S48 | 197 | S45 S47 | US-PGPUB;    | OR | OFF | 2008/08/26 |
|-----|-----|---------|--------------|----|-----|------------|
|     |     |         | USPAT; EPO;  |    |     | 19:16      |
|     |     |         | JPO; DERWENT |    |     |            |

2/5/09 6:16:10 PM

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